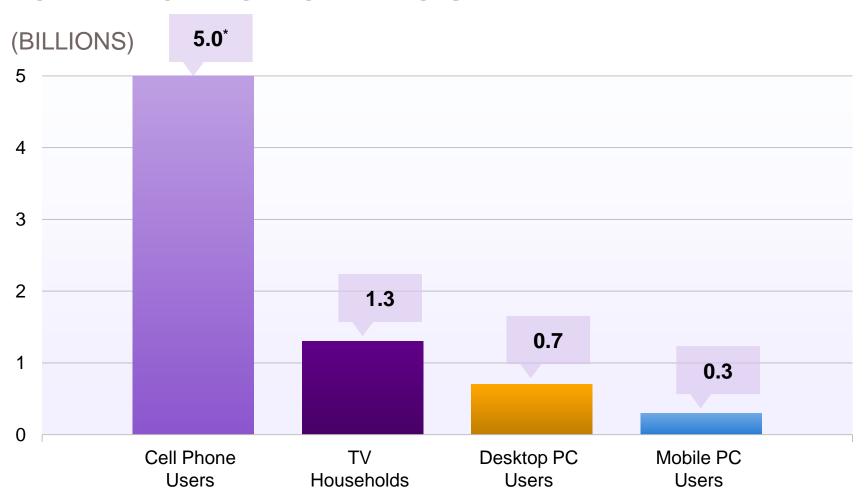




Collapsing Time and Space in Health Care

More Devices Than Any Other Computing or Consumer Electronics Device Globally

MORE THAN 3 BILLION MORE DEVICES







What is Qualcomm Role in Wireless Health?

- Build demand, create market pull and help our partners create viable solutions
- Identify missing technology elements that
 Qualcomm is uniquely positioned to solve e.g.
 ultra low power high band width radios, ranging,
 peer to peer, compressed sensing and noise
 reduction, IEM module designs, market middle ware
- New service platforms which enable many health solutions

Started with Southern California Assets

- Largest cluster of wireless companies in the world
- Second largest cluster of biotech and med device companies in the world
- 38 Bio-Medical Research Institutes in San Diego, including The Salk, Scripps Research, Sanford Burnham and Craig Venter Institutes
- A wireless health dedicated Qualcomm CEO
- A world renown physician Eric Topol, MD
- A desire to enable connected health solutions with our licenses and technologies





An Ecosystem of Partners

Building Wireless Health International Partnerships











































Industry Research

































Tradeshows









Where Are We Now?

- Three world class wireless health research institutes
 West Wireless Health, UCLA Wireless Health and USC Body Computing Institutes – soon a 4th? A 5th?
- First physician masters in wireless health with The Scripps Reach Institute
- First engineering masters in wireless health with Case Western Reserve University
- Four Qualcomm Wireless VC investments, almost 20
 Wireless Reach health grants and a Joint Venture
- Over 100 wireless health companies in San Diego & 300 worldwide – and an multi-Billion dollar industry
- The first XPrize in Wireless Health





Innovative Solutions

ONTICONNO



Qualcomm's Internet of Everything Modules deliver affordable, accessible 3G wireless for medical and consumer health solutions

Reinventing Established Services

Lifecomm



- One-Touch Emergency Button
- Two-Way Voice Communications
- Audible Alert Notifications
- Always On

A Qualcomm, Hughes Telematics and AMAC Joint Venture

Inventing New Devices for Old Services



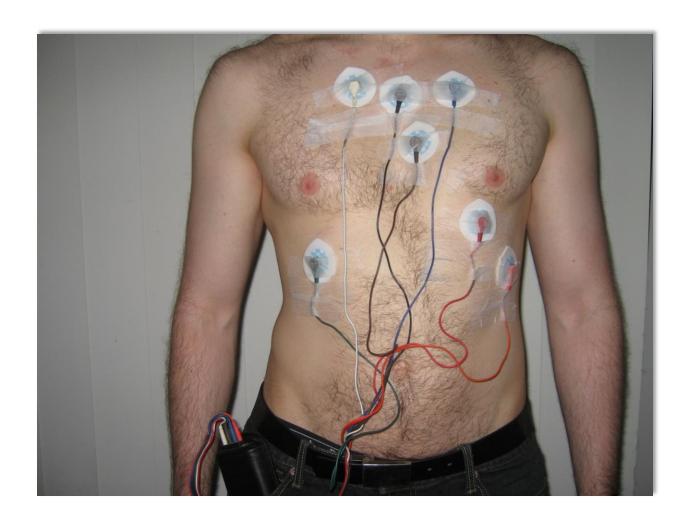
Collaborating on New Devices for New Business Models



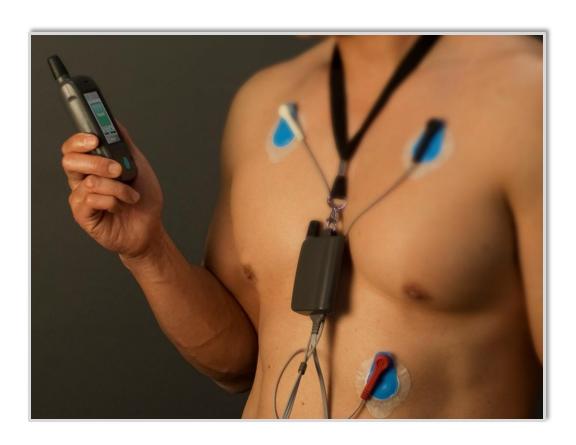




Holter Monitor

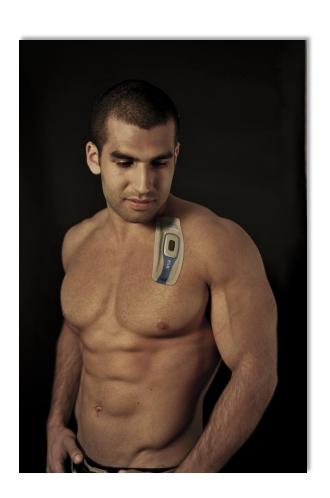






- ECG
- Respiratory Rate
- Heart Rate

corventis



- Heart Rate
- Fluid Status
- Activity Level
- Posture
- Respiratory Rate
- Arrhythmia Detection
- Temperature
- ECG





Scope-to-Scope Communication







- Voice capabilities
- Camera
- Blood Pressure, Blood Glucose, Cholesterol, ECG
- 24-hour response to ECG readings
- Virtual health records
- Global Physician Network





 Real-time data from Hospital ICU and Maternal-Fetal Monitors

Phone Reminds You



- Confirms Compliance with Loved Ones
- Drug-to-Drug Interactions
- Convenient Medication List Management
- User Survey Surveillance Features

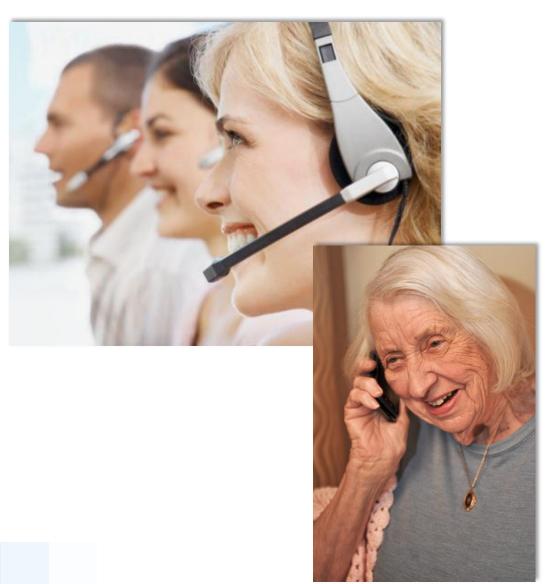








Nurses Remind You





- Live Nurse Service
- Wellness Calls
- Heart Healthy Tips
- Medication Compliance

greatcall®
people you can count on

Ву

Pill Bottle Reminds You



VITALITY™

- Medication Reminders
- Automated Alerts
- Rx Refills

Pills Remind You





- Compliance and Activity Monitoring
- Lot #, Dosage and Manufacturer
- Time and Date

On Your Phone





- Enabling Self Management
- Automated coaching
- Behavioral algorithms

With Your Phone





Because health matters

- Track blood glucose, carbs and insulin
- Keeps caregivers and loved ones connected
- Builds relationship with consumer and pharma

On Your Body





- Continuous Blood Glucose
- Ultimate self management tool

With the Phone Inside





- Improved testing compliance
- Improved glucose control
- Reduced risk of complications
- Auto-logging of data
- Testing confirmation to caregivers
- Simple supply ordering

In Your Body





- Continuous tracking & delivery of insulin
- Continuous tracking of blood glucose
- Activity and food intake tracking
- Alerts



Your Score



Obstetrics Yesterday





Obstetrics Today





Obstetrics Tomorrow





Repurposing of Sensors – and the Rise of Multi-Variable Clinical Analytics

- Fertility enabled by core temperature break though
- Leads to clinical work in multiple applications
- Pediatrics
- Inpatient monitoring for infection control
- Post hospital discharge monitoring
- Medication titration



Sensor combinations drive predictive modeling







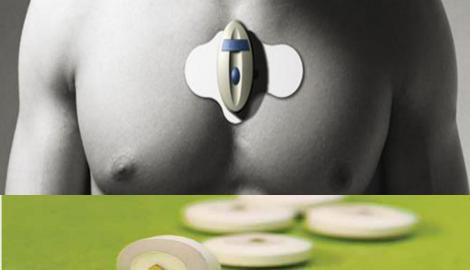
Disconnected Health Care Solutions

Connecting the Unconnected





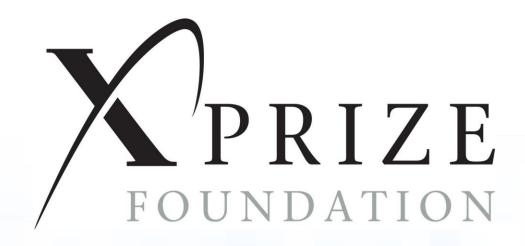




Disconnected Health Care Solutions

Connecting the Unconnected

Tricorder Competition Criteria



LOW-COST DIAGNOSIS

MINIMALLY INVASIVE

RAPID

PORTABLE

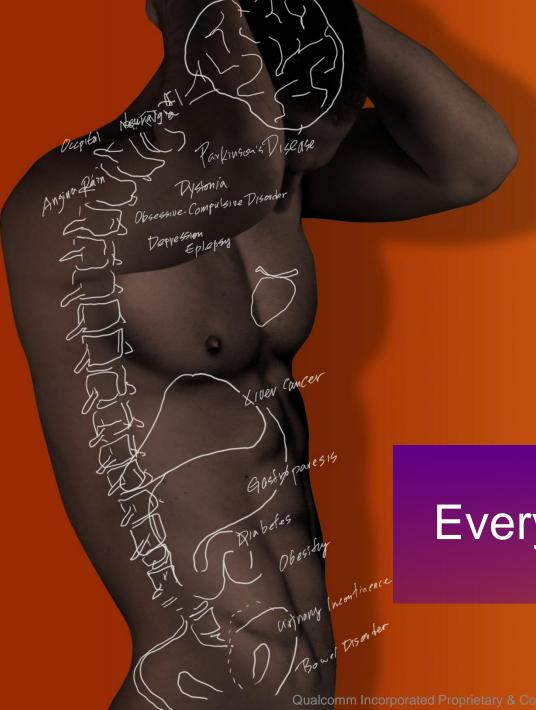
SCALABLE

Personal Supply Chain Managements



Personalization

Convenience, Compliance and Cost Savings



Every Body on the Net...